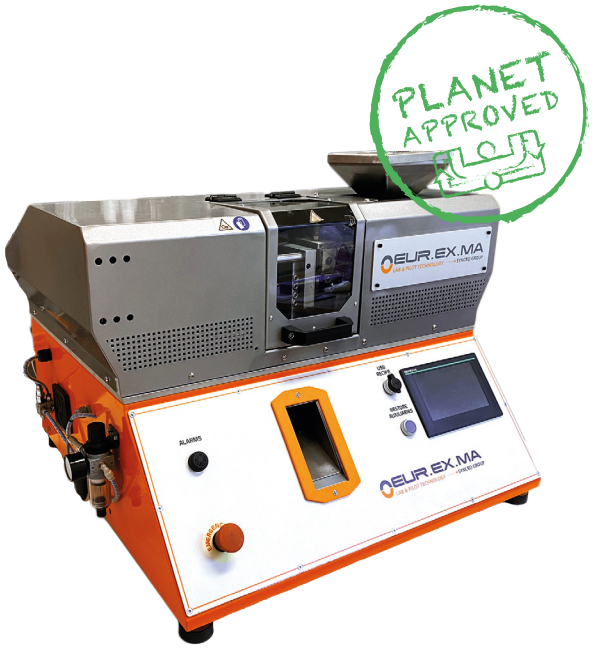
EUR.EX.MA
LAB & PILOT TECHNOLOGY — SYNCRO GROUP

microex MD

Benchtop Injection Moulding Line for Quality Control

MICROEX MD is a benchtop line designed to produce moulded samples. It can be used for the quality control of different materials, new and recycled and for testing various polymers with low waste and energy consumption.



OPERATING PRINCIPLE

Thanks to the 14 mm Ø extruder screw, this line can process standard granules or powders using small batches of material replicating the efficiency of a standard-size extruder.

The fully electric injection unit, driven by servomotors and three thermoregulation zones, guarantees high precision injection of the polymeric melt into the mould.

MAIN FEATURES

MATERIAL COMPATIBILITY

Compatibility with a wide variety of materials, virgin or recycled, such as PE, PP, PET with standard granules size.

LAB DESIGN EXTRUDER SCREW 14 mm Ø

The size of the screw allows the processing of small batches of material with low waste, delivering high quality results.

FULLY ELECTRIC MACHINE

The fully electric configuration allows a precise control of every part of the process and require much less maintenance than hydraulic machines. It is also suitable for working in clean rooms for pharmaceutical products.

INTERCHANGEABLE MOULD

Easy system to change moulds to adapt injection mouding to various needs.

LOW ENERGY CONSUMPTION

Plug & Play designed, the machine works with single-phase industrial plugs or standard 240V home plugs, with a consumption of less than 3 KW

EASY EXTRACTION & CLEANING

The configuration of the screw makes cleaning and maintenance easier so as to be always ready-to-use in less than 5 minutes.

TOUCH SCREEN CONTROL PANEL

Visualization of temperature control for each zone on dedicated pages. Led indication of the motors status with protection alarms. USB ports to save and export process data.

SIMPLE TO USE

Extremely user-friendly line, manageable by a single person with only a few steps and ready-to-use in less than 10 minutes.

TECHNICAL DATA

TECHNICAL SPECIFICATION	MICROEX MD injection moulding
Screw	14 mm Ø
Volume	8 cm³
Clamping Force	2 ton
Opening Stroke	100 mm

TECHNICAL DRAWINGS / LAYOUT